

**SCHOOL OF
SYSTEMS
and
LOGISTICS**
► education ► service ►
research

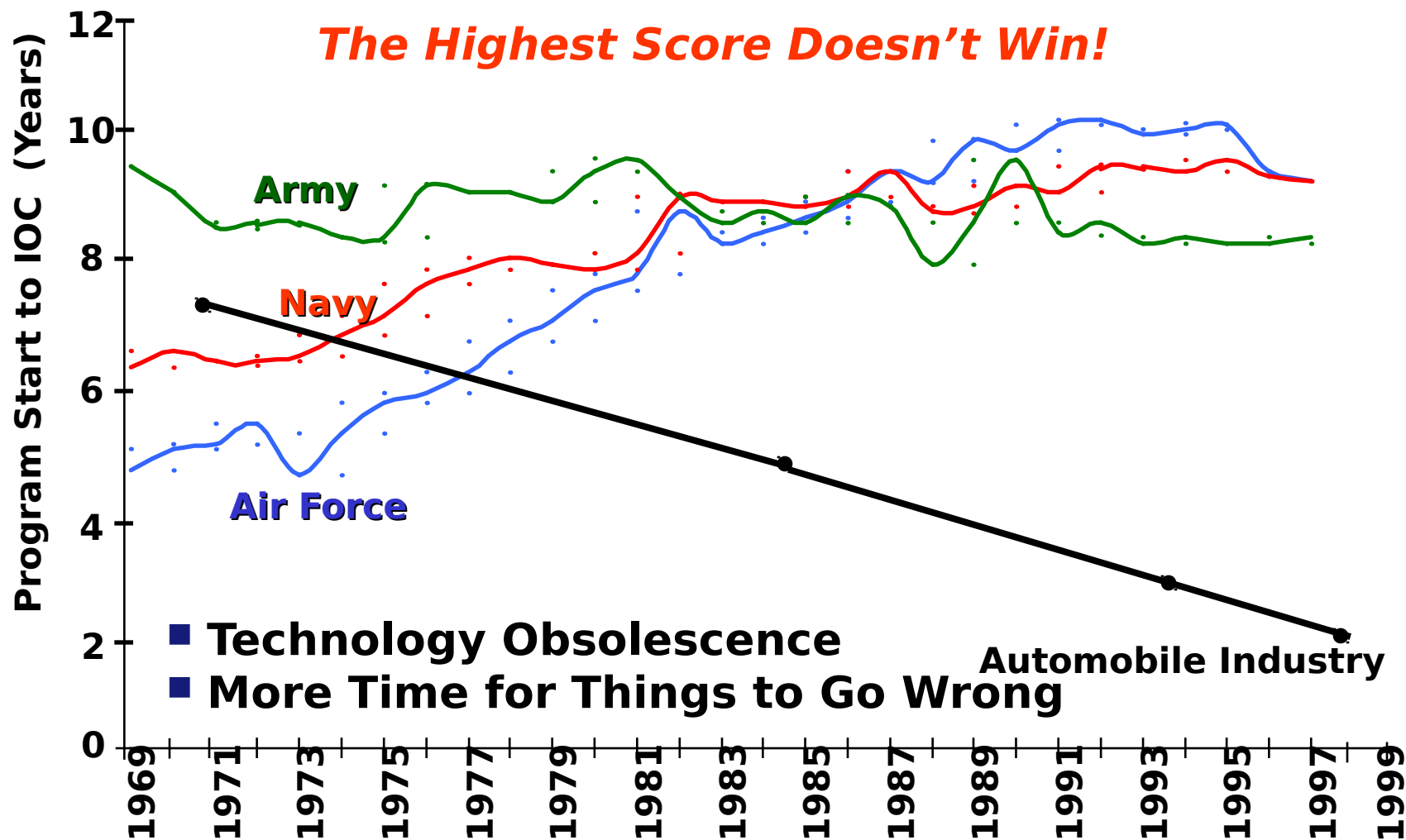
Capability Based Requirements

**Major Brad L. Sabo
AFIT/LSS**

U.S. AIR FORCE



Background: Average Cycle Times



Source: DSB Briefing, Dan Czelusniak, 12 June 1998



Air Force Implementation

OSD

Initiatives
DoDI 5000

Evolutionary Aq

CJCSI 3170

Reqs Process

USAF

Initiatives

Agile
Acquisition

Collaborative
Requirement

Technology
Transition

Seamless
Verification

Implementation

Policy

AFI 10-
601

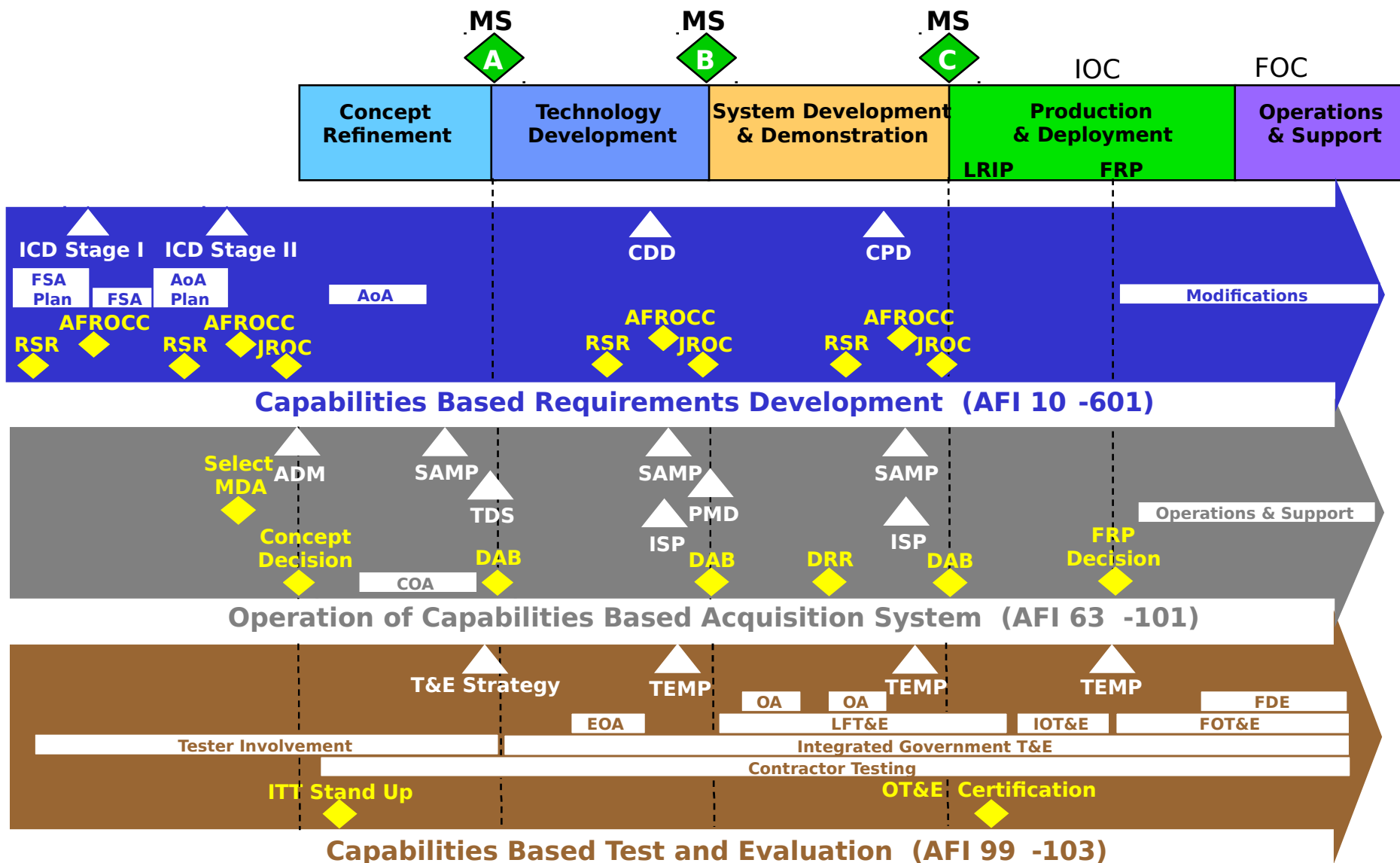
AFI 63-
101

SAF/AQ
AFI 99-
103

AF/TE

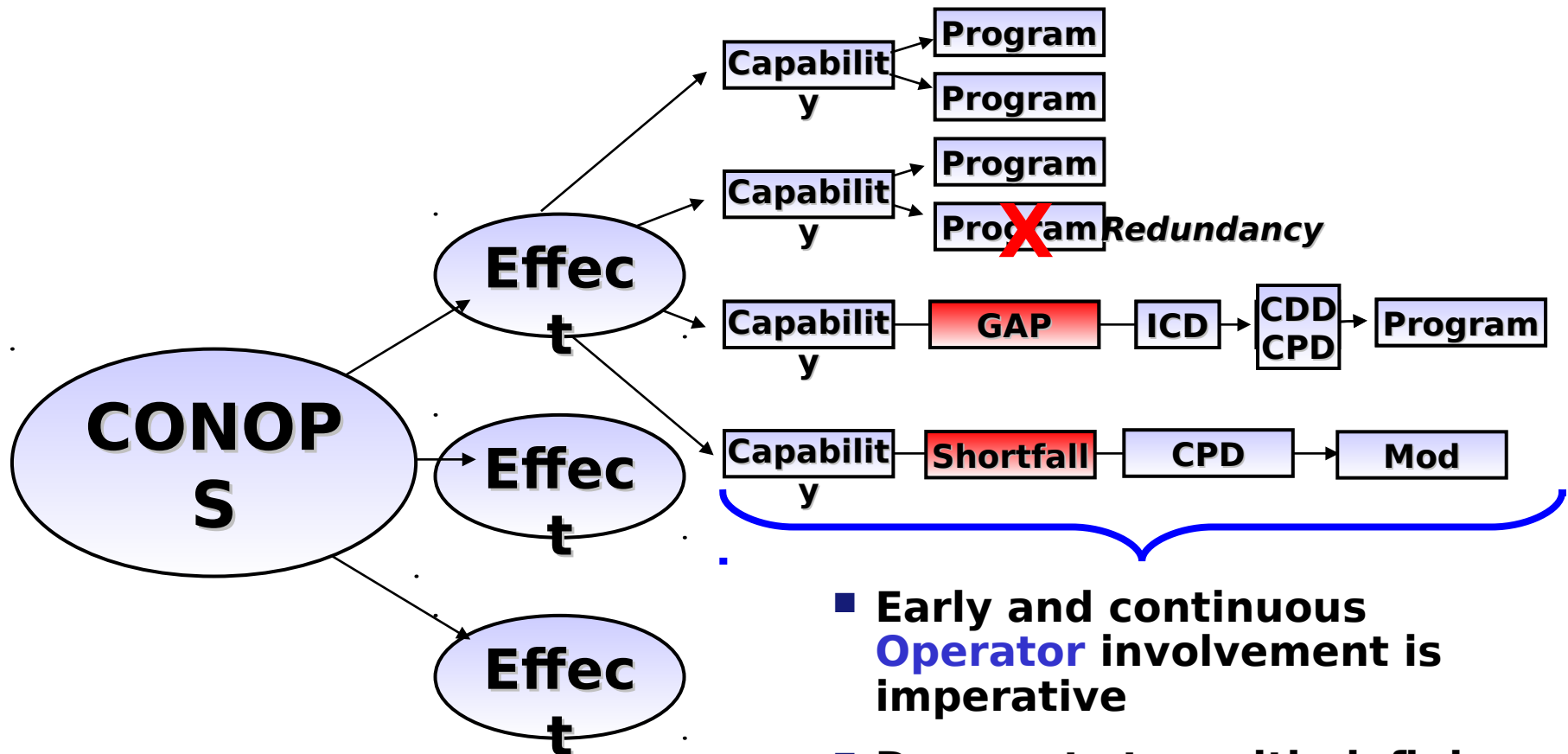


Collaborative Approach to AF Capabilities Development





Linkage



- Early and continuous **Operator** involvement is imperative
- Does not stop with defining the capability required
- Collaboration between all stakeholders is key



Guidance

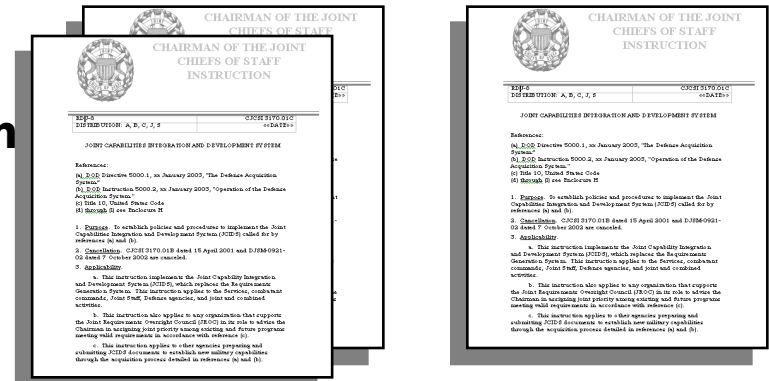
- **CJCSI 3170.01D, Joint Capabilities Integration and Development System**

- **Effects-based / capabilities focus**
- **Canceled MNS and ORDs**
- **Milestone A: ICD - Initial Capabilities Document**
- **Milestone B: CDD - Capability Development Document**
- **Milestone C: CPD - Capability Production Document**

- **CJCSI 6212.01C, Interoperability and Supportability of Information Technology and National Security Systems**

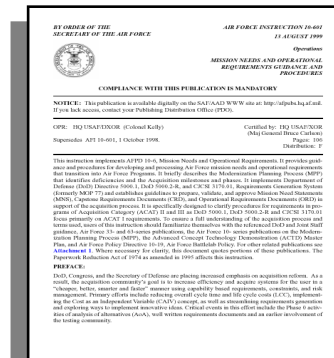
- **Net-Readiness KPP**

- **AFI 10-601, Capabilities Based Requirements Development**



**CJCSI 3170.01D
CJCSM 3170.01A
12 Mar 2004**

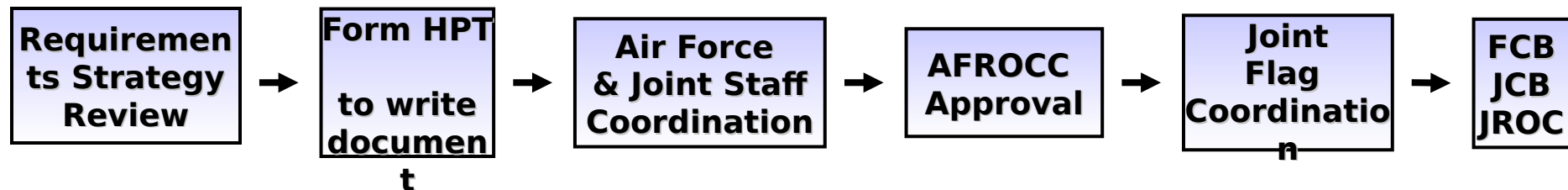
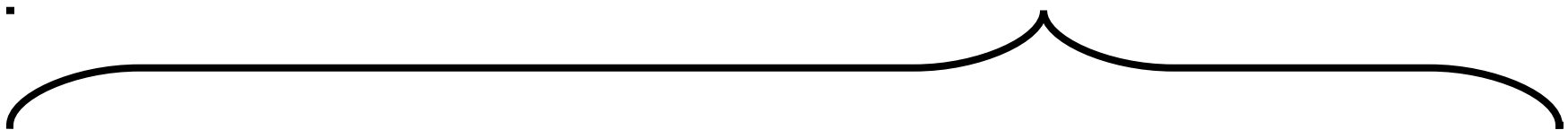
**CJCSI 6212.01C
20 Nov 2003**



**AFI 10-601
14 Oct 2003**

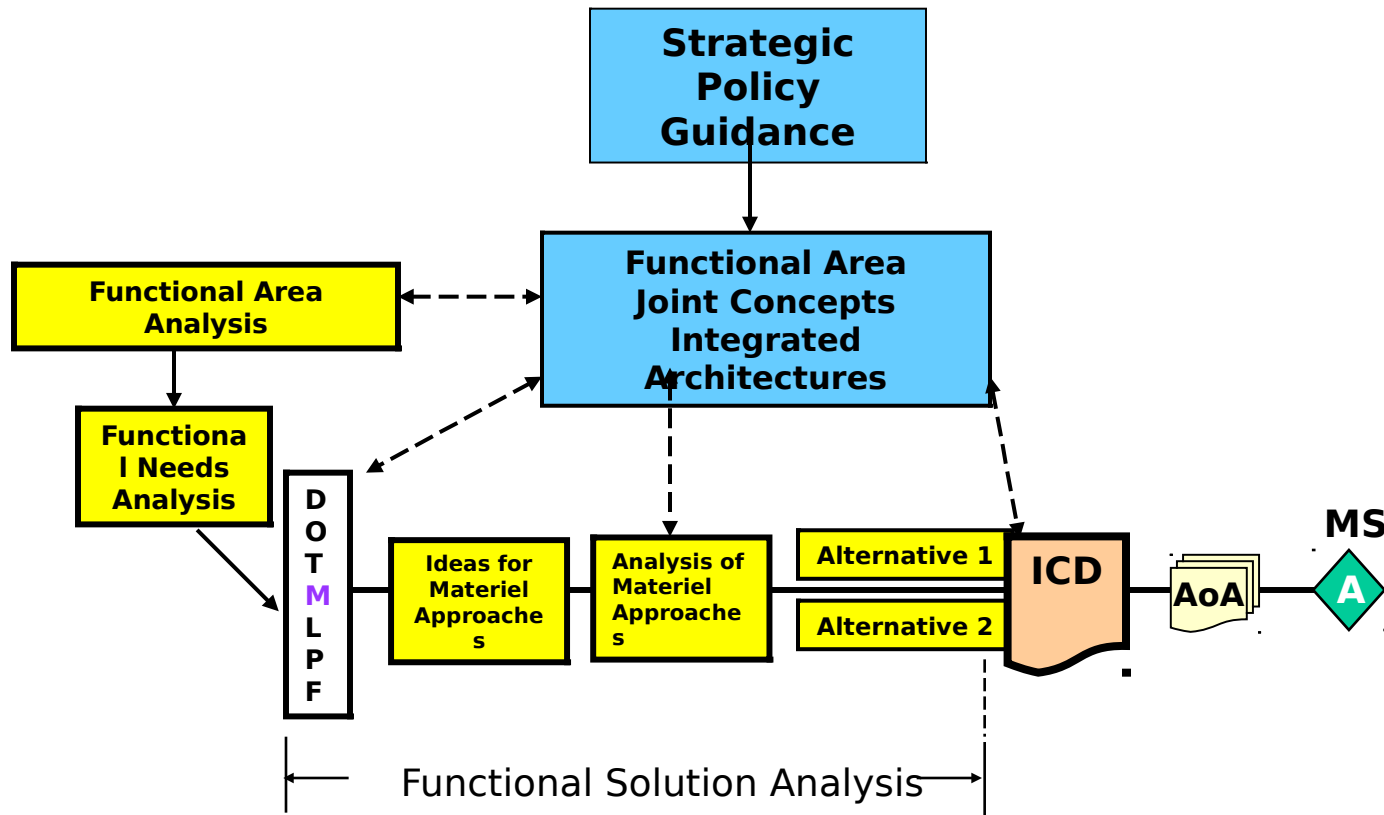


Collaborative Requirements Process



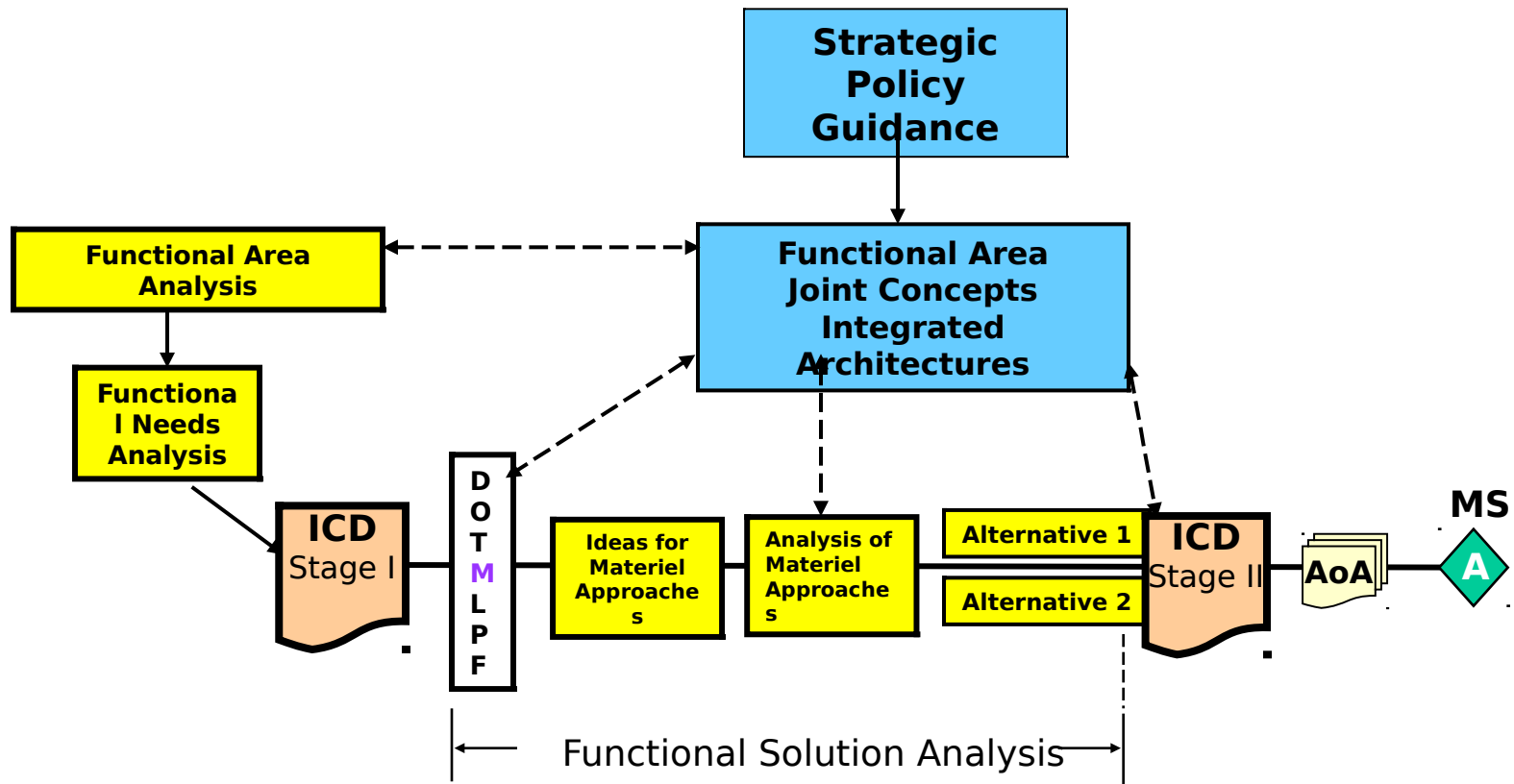


Joint Capabilities Integration & Development System (JCIDS)





Joint Capabilities Integration & Development System (JCIDS)





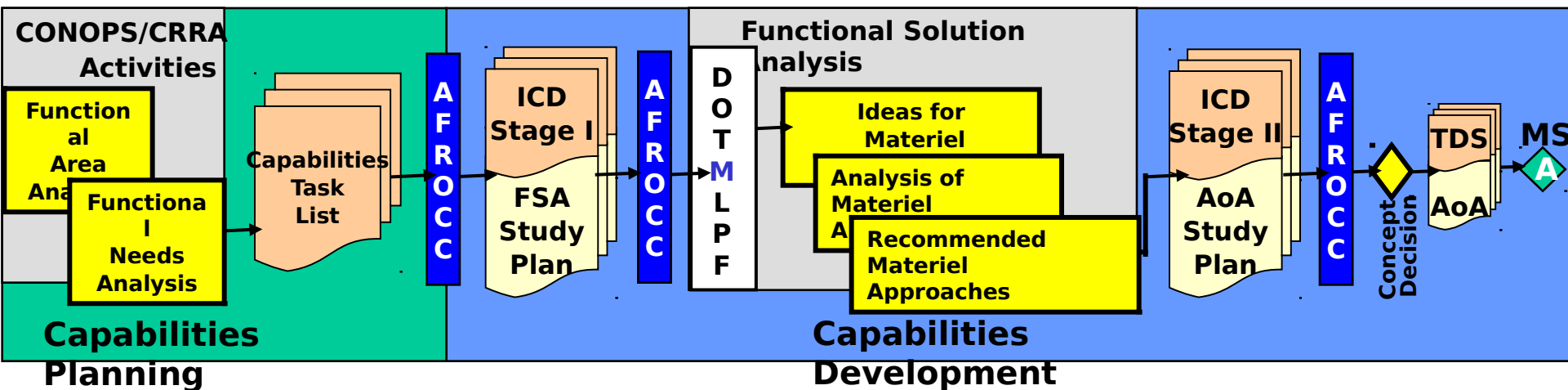
ICD Stage 1 & 2

■ ICD Stage 1

- Documents & defines capability gap
- Lays foundation for Functional Solution Analysis (FSA)
- Sections 1 - 5

■ ICD Stage 2

- Documents results of FSA
- Provides recommendation for materiel / non-materiel approaches
- Sections 1-7



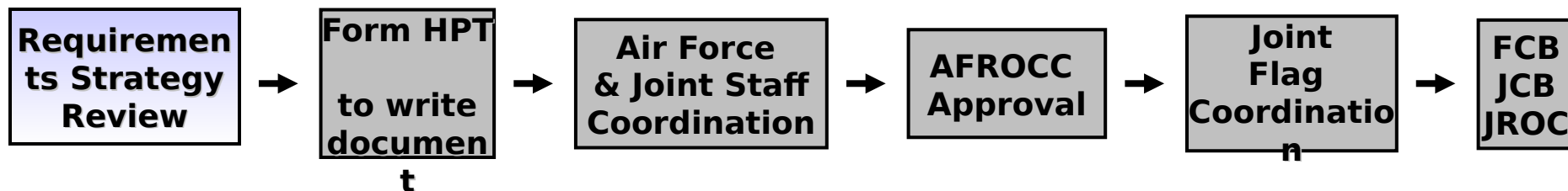


Requirements Strategy Review (RSR)

- Obtain Mr. Disbrow's approval of requirements strategy
- Describe
 - Required capability
 - CONOPS
 - Military effects
 - Constraints
 - Schedule
 - High Performance Team (HPT) members
 - Document preparation timeline
 - Net Ready
- RSR mandatory for all documents



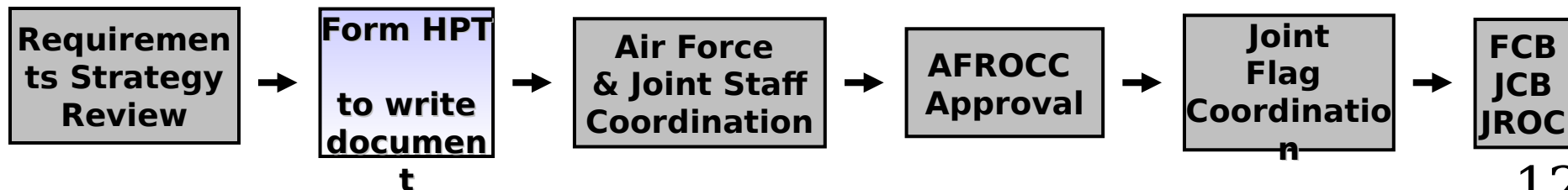
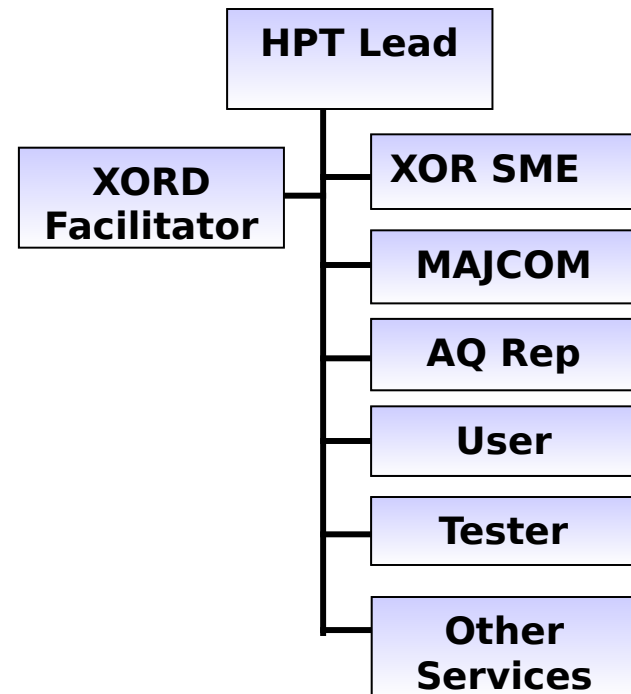
Mr Harry Disbrow, DXOR





High Performance Team

- 1 to 2 week document writing effort
- Core team
 - AF/XORD facilitates
 - Members come prepared
 - Small team
 - Usually led by MAJCOM
 - Dedicated to the task
 - Empowered by organization
- Support team
 - Conduit to other stakeholders
 - Act as subject matter expert
 - Provide support, as needed
 - Architecture expert



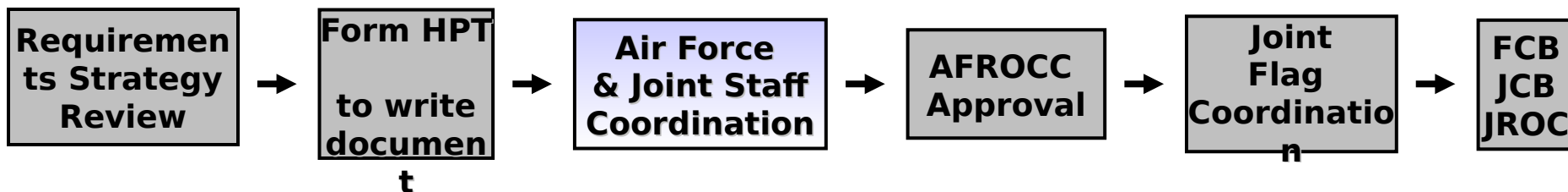


Air Force & Joint Staff Coordination

- Internal MAJCOM coordination
- Other MAJCOM coordination
- Air Staff and Joint Staff (O-6) coordination
 - Allow 35 days for AF
 - Allow 25 days for Joint Staff O-6
 - Allow 10 days for Joint Potential Designator (JP)
- JPD
 - JROC Interest
 - Joint Integration
 - Independent



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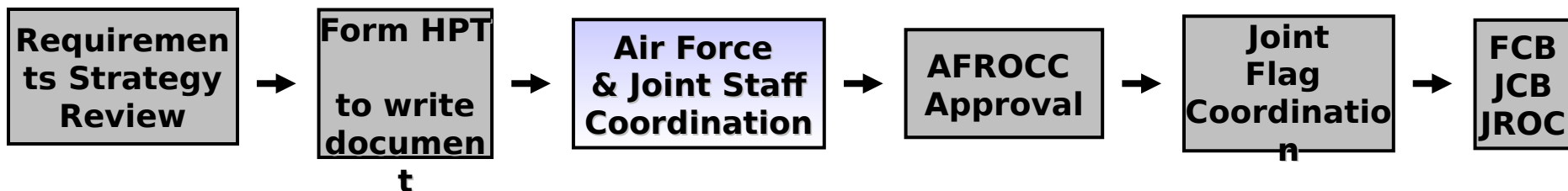


Air Force & Joint Staff Coordination

- **MAJCOM POC** performs internal and external MAJCOM coordination
- **Air Staff** functional performs Air Staff coordination
 - One pass (Directorate level)
- **AF/XORD** performs policy review & is conduit for Joint Staff coordination
- **MAJCOM POC** resolves comments
- Resolve **all critical** comments before AFROCC
- Address **all substantive** comments before AFROCC



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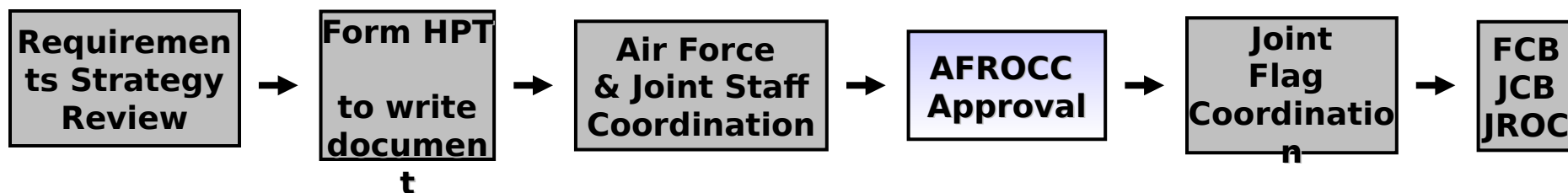


AF Requirements for Operational Capabilities Council

- **Reviews and validates:**
 - **Requirement** documents (ICDs, CDDs, CPDs)
 - Required **architecture** views
 - Analysis of Alternatives (**AoA**) study plans/results
- **Members:** MAJCOMs, SAF/AQ, AF/IL, AF/TE, AF/XP, AF/XI, AF/XOI, AF/XOS, AF/CIO, AFOTEC, AFRC, ANG, AFC2ISRC
- **Observers:** MDA, USA, USN, USMC, OAS, SAF/USA and AFSAA



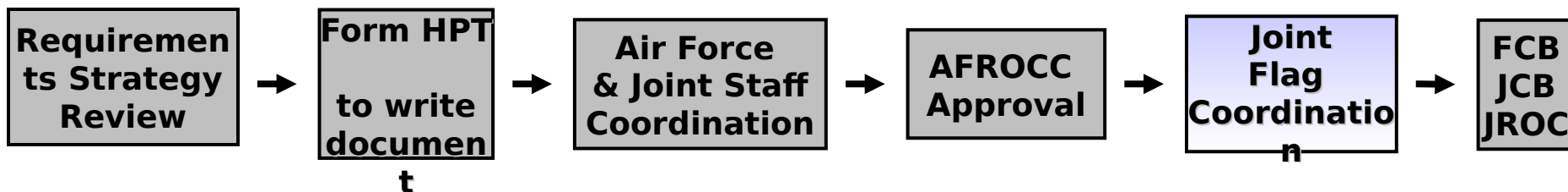
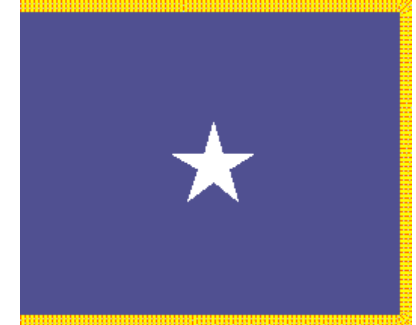
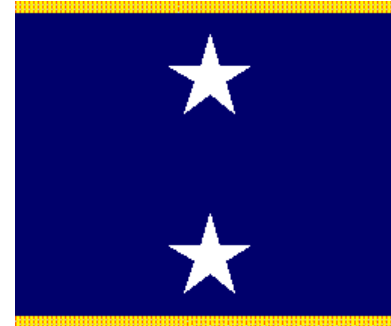
AFROCC Chairman
Maj Gen (S) Goldfein,
XOR





Joint Flag Coordination

- Obtain Joint Flag coordination on JROC interest and Joint Integration
- Allow 21 days for coordination
- J-8 Flag coordination before JROC



*For ACAT II and III programs, Joint Flag Coord is prior to AFROCC



FCB, JCB & JROC

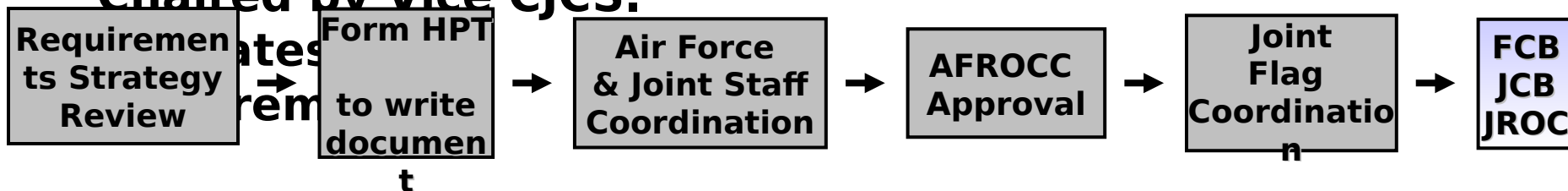
- **Functional Capability Board (FCB):** Chaired by J-8 VDRA. Provides oversight of JCIDS process.
- **Joint Capability Board (JCB):** Chaired by Director J-8. Reviews joint requirements.
- **Joint Requirements Oversight Council (JROC):** Chaired by Vice CJCS.



JCB Chairman
Lt Gen Cartwright, J8



JROC Chairman
Gen Pace, Vice CJCS





Key Points To Remember

- **RSR:**
 - Single most important step to make sure you are writing the correct document, have right people involved, and have right approach.
 - You can not build an RSR by yourself (collaborate)
- **ORD / MNS:**
 - Must meet MS B or C prior to Jun 2005
 - If in doubt, plan for a CDD or CPD
 - No MNS older then 2 years can support MS A
- **HPT Benefits:**
 - XORD led HPT allows concurrent O-6 staffing
 - Gain 2-3 months on staffing
- **Analysis and Rationale:**
 - Focus for CDDs and CPDs
 - Basis for thresholds and objectives
- **CRM:**
 - Joint Staff considers 15 day comment resolution a suspense
 - CRMs older then 6 months are going back into Joint Staff O-6 review



AF/XOR Web site, <https://www.xo.hq.af.mil/xor/restri>



AF/XOR



DIRECTORATE OF OPERATIONAL CAPABILITY REQUIREMENTS



What's NEW in XOR?

- [XOR Biographies](#)
- [XOR Execs](#)
- [XOR Divisions](#)
- [XOR Organization](#)
- [XOR Roster](#)
- [XOR Logo](#)
- [Paperwork & Staffing](#)

■ [AO PEM Course Briefing](#)

note: the briefing is large, so you may want to just right-click on the link and download it to your desktop/files

Note: Whenever this page has changed, you can find all updates under the "What's New in XOR?"



- [CONOPS Champions Home Page](#)
- [Integration](#)
- [Global Mobility](#)
- [Global Response](#)
- [Global Strike](#)
- [Homeland Security](#)
- [Nuclear Response](#)
- [Space & C4ISR](#)



- [AFROCC](#)
- [XO Home Page](#)
- [AF Biographies](#)



- [Early Bird](#)
- [USAF AIM Points](#)
- [AF Issues and Answers](#)
- [AF Policy Digest](#)
- [American Forces Information Services \(AFIS\)](#)
- [AF Magazine](#)
- [Defense News Today](#)
- [Defense News](#)
- ["Officials use new doctrine for close air support in Iraqi Freedom"](#)
- ["USAF Gives More Resources to Task Forces Through Reorganization"](#)



AF/XOR Web site, <https://www.afreqs.hq.af.mil/>

REQUIREMENTS INTEGRATION
& MANAGEMENT DIVISION
AF/XORD

CAPABILITY
REQUIREMENTS
DOCUMENT
BEN SOLOFEIN
AF/XORD

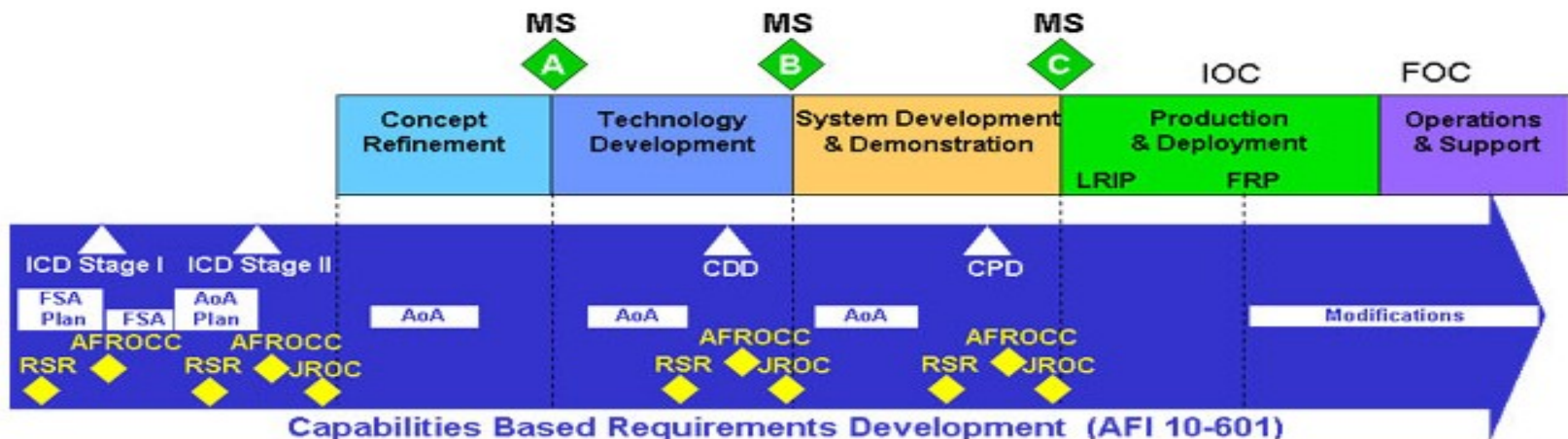


Home	Organization	Site Index	Guidance	CCD (aka CMNS)	XOR Home Page
Training	Reqs Strategy	HPT	Staffing Docs	AFROCC	IRSS

Air Force Capabilities Based Requirements Development

Note: We have released AFI 10-601 as interim guidance, and this is the new XOR web site. If you have any suggestions/ideas/inputs to improve this site, please send an email to the [XORD webmaster](#).

Click on the appropriate item below to receive additional information on each element.





AF/XOR Web site, <https://www.afreqs.hq.af.mil/>

REQUIREMENTS INTEGRATION & MANAGEMENT DIVISION AF/XORD			CAPABILITY REQUIREMENTS DOCUMENTS BEN SOLOFEIN AF/XOR		
Home	Organization	Site Index	Guidance	CCD (aka CMNS)	XOR Home Page
Training	Reqs Strategy	HPT	Staffing Docs	AFROCC	IRSS

HIGH PERFORMANCE TEAMS :: HPT

The High Performance Team (HPT) workspace at Rosslyn is an open storage facility at the **Secret classification level**. All visitors to the facility must therefore provide Visit Requests. Before the HPT convenes, please fax your visit request to the attention of your HPT Facilitator at fax number: 703-696-6984.

HPT MENU

HPT GUIDANCE	XORD DOCUMENT STAFFING STATUS	AFI 10-601
HELPFUL HINTS	NEED ASSISTANCE?	XORD ARCHITECTURE PAGE
NET READY KPP INFO		



Information & Resource Support System (IRSS)

- **Web based information management tool**
 - Integrates planning, requirements and financial information
 - Facilitates development, transfer and staffing of documents
 - Provides AF-wide repository for requirements documents
 - Allows collaboration between geographical s organizations
- **24-Hour Level I Help Desk Support - DSN 596-57**
- **Web-Based Training - <http://online.afit.edu/msg/...>**



***SIPR Net Only!**



Training

- Capabilities requirement courses
 - **REQ 111** - Capability Based Operational Requirements Course (AFIT)
 - **SYS 283** - Introduction to Architectures (AFIT)
- POCs
 - **REQ 111:** Maj Brad Sabo, brad.sabo@afit.edu
 - **SYS 283:** Maj Brian Hartt, brian.hartt@afit.edu

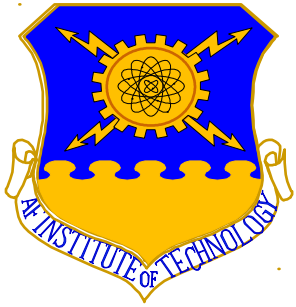




POCs

- Numerous changes to improve fielding of capabilities to the warfighters
- HQ AFMC POC:
 - **Capability Planning Branch:**
Ms. Cindy Himes, DSN 787-3436 cindy.himes@wpafb.af.mil
- AF/XORD POCs:
 - **Requirements Generation Branch:**
Lt Col Craig Nygaard, DSN 426-5002
craig.nygaard@pentagon.af.mil
 - **Requirements Policy Branch:**
Maj Vic Little, DSN 224-0361
victor.little@pentagon.af.mil
 - **Integration Branch:**
Maj Tony Crews, DSN 225-8628
tony.crews@pentagon.af.mil





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Questions?

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